AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A pluggable bi-directional transceiver with a single optical fiber, comprising:

a sub-assembly module of optical transceiver connected with an optical fiber for receiving and transmitting optical signals, said sub-assembly module comprising an optical fiber as a medium for transmitting optical signals, a laser-diode transmitter for converting electronic signals into optical signals and transmitting the optical signals outwardly, a signal receiver for receiving and converting optical signals into electronic signals, a wavelength division multiplexer (WDM) located among said laser-diode transmitter, said signal receiver, and said optical fiber for separating optical signals of different wavelengths, a supporting rack for supporting said WDM, a casing for fixing and protecting said laser-diode transmitter, said signal receiver, and said WDM, and an optical-fiber connector connected with said optical fiber;

a printed circuit board (PCB) connected with said sub-assembly module, and also connected with a communication equipment under a pluggable condition for exchange of signals between said sub-assembly module and said communication equipment;

a main frame located above said sub-assembly module and said PCB for fixing and protecting said sub-assembly module and said PCB;

a tab for pulling said transceiver out of said communication equipment;

a tab-base provided with an anchoring member for fixing said transceiver onto said

communication equipment;

a lower cover located under said sub-assembly module and said PCB for fixing and protecting said sub-assembly module and said PCB; and

an upper cover located above said main frame;

wherein said optical-fiber connector of said sub-assembly module further comprises a fiber-guiding tube, a ceramic sheath and a metallic sleeve, said fiber-guiding tube being located at a tail end of said optical fiber and connected with said optical fiber; said ceramic sheath enclosing said fiber-guiding tube, and said metallic sleeve enclosing said ceramic sheath.

2. (Cancelled).

3. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said laser-diode transmitter of said sub-assembly module is provided with a lens device.

4. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said laser-diode transmitter of said sub-assembly module is provided with a lead wire for connecting with [[the]] conductive pins of said PCB.

5. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said signal receiver of said sub-assembly module is provided with a lens device.

6. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said signal receiver of said sub-assembly module is provided with a lead wire for connecting with [[the]] conductive pins of said PCB.

7. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said supporting rack of said sub-assembly module is made of a plastic material.

8. (Currently Amended) The transceiver according to claim ~~2, in which the~~ 1, wherein said casing of said sub-assembly module is made of a metallic material.

9. (Cancelled).

10. (Currently Amended) The transceiver according to claim 1, ~~in which~~ wherein said main frame is made of a zinc alloy for ~~, capable of~~ preventing electromagnetic interference (EMI).

11. (Currently Amended) The transceiver according to claim 1, ~~in which~~ wherein said lower cover is made of a metallic material for ~~, capable of~~ preventing EMI.

12. (Currently Amended) The transceiver according to claim 1, ~~in which~~ wherein said upper cover is made of a metallic material for ~~, capable of~~ preventing EMI.

13. (Currently Amended) The transceiver according to claim 1, ~~in which~~ wherein said tab-base is made of a plastic material.